

ABSTRACT:

A full-jacket helical conveyor centrifuge (1) having a rotatably disposed drum (2) and a drive device for the drum (2) is characterized in that the drive device for the drum (2) has at least one electromechanical direct drive (25a-f), the secondary elements (26) being arranged on the outer periphery of the drum (2) or on the outer periphery of a part non-rotatably connected with the drum, particularly of an attachment (6, 17, 18, 19, 20), and the primary elements (27) are arranged radially outside the secondary elements (26) at a distance from these without contact, the propulsion force being generated by an electromagnetic field of travelling waves.

Figure 1